## **Amendments to the Claims**

Please cancel Claims 23-27. The Claim Listing below will replace all prior versions of the claims in the application:

## Claim Listing

- 1. (Original) An apparatus for detecting an object in a cargo trailer comprising:
  - a sensor mounted along a first wall of the trailer, the sensor having a pair of ultrasonic transducers having multiple operation modes with different ranges, with at least one operation mode scanning an area of the cargo trailer adjacent a distal end of the trailer from the first wall on which the sensor is mounted;
  - a trailer tracking control unit connected to the sensor, the control unit controlling the sensor and receiving data from the sensor; and
    - a power source electrically connected to the sensor.
- 2. (Original) The apparatus of claim 1, wherein the multiple operation modes include short range mode, long range mode, and proximity mode.
- 3. (Original) The apparatus of claim 2, wherein area scanned by the long range mode extends from 10 to 63 feet.
- 4. (Original) The apparatus of claim 2, wherein area scanned by the long range mode includes a loading door wall of the cargo trailer.
- 5. (Previously Presented) The apparatus of claim 4, further comprising an amplifier for amplifying signal of at least one of the ultrasonic transducers to make up for atmospheric absorption.
- 6. (Original) The apparatus of claim 5, further comprising at least one sensor sensing an atmospheric condition.

- 7. (Original) The apparatus of claim 6, wherein the atmospheric condition is at least one of air temperature and air humidity.
- 8. (Original) The apparatus of claim 2, wherein area scanned by the short range mode includes a floor of the cargo trailer.
- 9. (Original) The apparatus of claim 2, wherein area scanned by the short range mode extends from 4 to 20 feet.
- 10. (Original) The apparatus of claim 2, wherein scanning is performed continuously in the proximity mode.
- 11. (Original) The apparatus of claim 10, wherein area scanned by the proximity mode extends from 0 to 4 feet.
- 12. (Original) The apparatus of claim 2, wherein one transducer is used for the short range mode and for the proximity mode.
- 13. (Original) The apparatus of claim 12, wherein the one transducer operates periodically when operating in the short range mode.
- 14. (Original) The apparatus of claim 13, wherein the one transducer operates continuously in the proximity mode when not operating in the short range mode.
- 15. (Original) The apparatus of claim 12, further comprising control electronics for lowering output power of the one transducer when it operates in the proximity mode.
- 16. (Original) The apparatus of claim 1, further comprising a control unit adapted to communicate with a central system.
- 17. (Original) The apparatus of claim 16, wherein the control unit uses signals detected in the multiple operation modes to detect presence or absence of cargo in the cargo trailer.

- 18. (Original) The apparatus of claim 1, wherein the sensor is mounted flush with a nose wall of the trailer.
- 19. (Original) The apparatus of claim 1, wherein at least one ultrasonic transducer is a long range transducer which comprises an ultrasonic transmitter and an ultrasonic receiver.
- 20. (Original) The apparatus of claim 19, wherein the transmitter and the receiver are mounted at the base of a pair of parabolic cones.
- 21. (Original) The apparatus of claim 1, wherein at least one ultrasonic transducer is a short range mode transducer which comprises an ultrasonic transmitter and an ultrasonic receiver.
- 22. (Original) The apparatus of claim 21, wherein the transmitter and receiver are mounted pointing downward towards floor of the trailer.

## 23-27 (Canceled)

- 28. (Original) An apparatus for detecting an object in a cargo trailer comprising:
  - a sensor mounted along a first wall of the cargo trailer, the sensor comprising
  - a first ultrasonic transducer operating in a long range mode that scans out to an area adjacent a second wall, of the trailer, the rear wall being opposite and distal of the first wall, and
  - a second ultrasonic transducer adapted to operate in a short range mode and in a proximity mode;
  - a control module for controlling operation of the sensor; and a power source electrically connected to the sensor and the control module.
- 29. (Original) The apparatus of claim 28, wherein range of area scanned in the proximity mode is from 0 to 4 feet.

- 30. (Original) The apparatus of claim 28, wherein the second ultrasonic transducer operates at lower power when operating in the proximity mode.
- 31. (Original) The apparatus of claim 28, wherein the second ultrasonic transducer operates in the short range mode periodically.
- 32. (Original) The apparatus of claim 31, wherein the second ultrasonic transducer continuously operates in the proximity mode when not operating in the short range mode.